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NEWS 3	OCT 06	Increase your retrieval consistency with new formats or for Taiwanese application numbers in CA/CAplus.
NEWS 4	OCT 21	CA/CAplus kind code changes for Chinese patents increase consistency, save time
NEWS 5	OCT 22	New version of STN Viewer preserves custom highlighting of terms when patent documents are saved in .rtf format
NEWS 6	OCT 28	INPADOCDB/INPAFAMDB: Enhancements to the US national patent classification.
NEWS 7	NOV 03	New format for Korean patent application numbers in CA/CAplus increases consistency, saves time.
NEWS 8	NOV 04	Selected STN databases scheduled for removal on December 31, 2010
NEWS 9	NOV 18	PROUSDDR and SYNTHLINE Scheduled for Removal December 31, 2010 by Request of Prous Science
NEWS 10	NOV 22	Higher System Limits Increase the Power of STN Substance-Based Searching
NEWS 11	NOV 24	Search an additional 46,850 records with MEDLINE backfile extension to 1946
NEWS 12	DEC 14	New PNK Field Allows More Precise Crossover among STN Patent Databases
NEWS 13	DEC 18	ReaxysFile available on STN
NEWS 14	DEC 21	CAS Learning Solutions -- a new online training experience
NEWS 15	DEC 22	Value-Added Indexing Improves Access to World Traditional Medicine Patents in CAplus

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:31:44 ON 18 JAN 2011

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THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
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Switching to the Registry File...
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.23	0.23

FILE 'REGISTRY' ENTERED AT 11:32:00 ON 18 JAN 2011
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 17 JAN 2011 HIGHEST RN 1259483-08-3
DICTIONARY FILE UPDATES: 17 JAN 2011 HIGHEST RN 1259483-08-3

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010.

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http://www.cas.org/support/stngen/stndoc/properties.html

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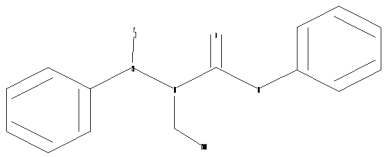

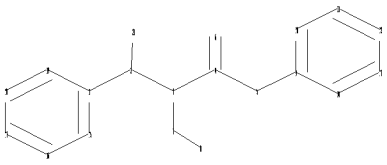

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2 3 4 5 6 7 8 21
ring nodes :
1 9 10 11 12 13 14 15 16 17 18 19
chain bonds :
1-2 2-3 2-21 3-4 3-7 4-5 4-6 5-9 7-8
ring bonds :
1-15 1-19 9-10 9-14 10-11 11-12 12-13 13-14 15-16 16-17 17-18 18-19
exact/norm bonds :
2-21 4-5 4-6 5-9
exact bonds :
1-2 2-3 3-4 3-7 7-8
normalized bonds :
1-15 1-19 9-10 9-14 10-11 11-12 12-13 13-14 15-16 16-17 17-18 18-19

G1:H,CH3

Match level :
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom
19:Atom 21:CLASS

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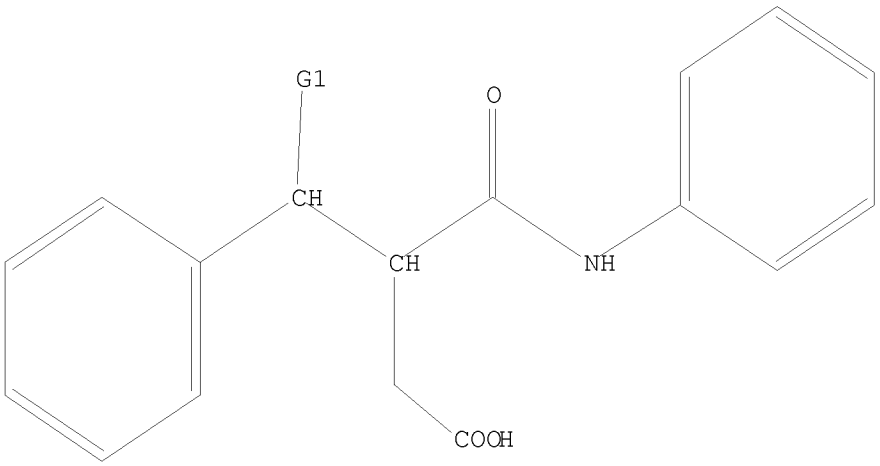
L1 STR



G1 H,Me

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 178 TO ITERATE

100.0% PROCESSED 178 ITERATIONS 14 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2760 TO 4360
PROJECTED ANSWERS: 56 TO 504

L2 14 SEA SSS SAM L1

=> s l1 ful
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FULL SCREEN SEARCH COMPLETED - 3378 TO ITERATE

100.0% PROCESSED 3378 ITERATIONS 133 ANSWERS
SEARCH TIME: 00.00.01

L3 133 SEA SSS FUL L1

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COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 196.86 197.09

FILE 'CAPLUS' ENTERED AT 11:32:16 ON 18 JAN 2011
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FILE COVERS 1907 - 18 Jan 2011 VOL 154 ISS 4
FILE LAST UPDATED: 17 Jan 2011 (20110117/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the fourth quarter of 2010.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l3
L4           9 L3

=> d ibib abs hitstr tot
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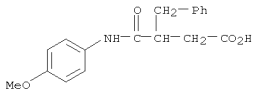
L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:846114 CAPLUS
DOCUMENT NUMBER: 151:92851
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20090163545	A1	20090625	US 2008-341615	20081222
US 20090163545	A1	20090625	US 2008-341615	20081222
AU 2008345225	A1	20090709	AU 2008-345225	20081222
CA 2709784	A1	20090709	CA 2008-2709784	20081222
EP 2219646	A2	20100825	EP 2008-867410	20081222
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				

PRIORITY APPLN. INFO.: US 2008-23801P P 20080125
US 2007-16362P P 20071221
US 2008-341615 20081222
WO 2008-US88016 W 20081222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]
IT 430470-23-8
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)
RN 430470-23-8 CAPLUS
CN Benzenebutanoic acid, β-[[(4-methoxyphenyl)amino]carbonyl]- (CA INDEX NAME)

L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)



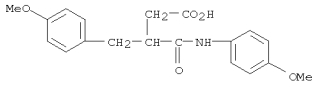
L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:846109 CAPLUS
DOCUMENT NUMBER: 151:92846
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20090163545	A1	20090625	US 2008-341615	20081222
US 20090163545	A1	20090625	US 2008-341615	20081222
AU 2008345225	A1	20090709	AU 2008-345225	20081222
CA 2709784	A1	20090709	CA 2008-2709784	20081222
EP 2219646	A2	20100825	EP 2008-867410	20081222
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				

PRIORITY APPLN. INFO.: US 2008-23801P P 20080125
US 2007-16362P P 20071221
US 2008-341615 20081222
WO 2008-US88016 W 20081222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]
IT 313966-85-7
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)
RN 313966-85-7 CAPLUS
CN Benzenebutanoic acid, 4-methoxy-β-[[(4-methoxyphenyl)amino]carbonyl]- (CA INDEX NAME)

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)



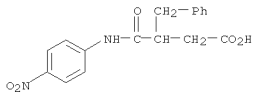
L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:846104 CAPLUS
DOCUMENT NUMBER: 151:92841
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20090163545	A1	20090625	US 2008-341615	20081222
US 20090163545	A1	20090625	US 2008-341615	20081222
AU 2008345225	A1	20090709	AU 2008-345225	20081222
CA 2709784	A1	20090709	CA 2008-2709784	20081222
EP 2219646	A2	20100825	EP 2008-867410	20081222
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				

PRIORITY APPLN. INFO.: US 2008-23801P P 20080125
US 2007-16362P P 20071221
US 2008-341615 20081222
WO 2008-US88016 W 20081222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]
IT 364620-28-0
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)
RN 364620-28-0 CAPLUS
CN Benzenebutanoic acid, β-[[(4-nitrophenyl)amino]carbonyl]- (CA INDEX NAME)

L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)



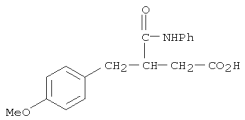
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:846099 CAPLUS
DOCUMENT NUMBER: 151:92836
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20090163545	A1	20090625	US 2008-341615	20081222
US 20090163545	A1	20090625	US 2008-341615	20081222
AU 2008345225	A1	20090709	AU 2008-345225	20081222
CA 2709784	A1	20090709	CA 2008-2709784	20081222
EP 2219646	A2	20100825	EP 2008-867410	20081222
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				

PRIORITY APPLN. INFO.: US 2008-23801P P 20080125
US 2007-16362P P 20071221
US 2008-341615 20081222
WO 2008-US88016 W 20081222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The invention discloses a method for altering the lifespan of a eukaryotic organism. The method comprises the steps of providing a lifespan-altering compound, and administering an effective amount of the compound to a eukaryotic organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication system constraints.]
IT 313966-84-6
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)
RN 313966-84-6 CAPLUS
CN Benzenebutanoic acid, 4-methoxy-β-[(phenylamino)carbonyl]- (CA INDEX NAME)

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)



L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2009:769551 CAPLUS
DOCUMENT NUMBER: 151:70320
TITLE: Method using lifespan-altering compounds for altering the lifespan of eukaryotic organisms, and screening for such compounds
INVENTOR(S): Goldfarb, David Scott
PATENT ASSIGNEE(S): University of Rochester, USA
SOURCE: U.S. Pat. Appl. Publ., 57pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20090163545	A1	20090625	US 2008-341615	20081222
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US 20090163545	A1	20090625	US 2008-341615	20081222
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RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

EP 2219646 A2 20100825 EP 2008-867410 20081222
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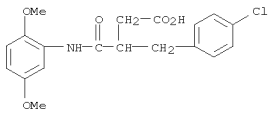
L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)
TR, AL, BA, MK, RS
PRIORITY APPLN. INFO.: US 2007-16362P P 20071221
US 2008-23801P P 20080125
US 2008-341615 20081222
WO 2008-US88016 W 20081222

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
AB The invention discloses a method for altering the lifespan of a eukaryotic
organism. The method comprises the steps of providing a lifespan-altering
compound, and administering an effective amount of the compound to a eukaryotic
organism, such that the lifespan of the organism is altered. In one embodiment, the compound is identified using the DeaD assay. [This abstract
record is one of 20 records for this document necessitated by the large number of index entries required to fully index the document and publication
system constraints.]
IT 333324-55-3
RL: PAC (Pharmacological activity); BIOL (Biological study)
(method using lifespan-altering compds. for altering lifespan of eukaryotic organisms, and screening for such compds.)
RN 333324-55-3 CAPLUS
CN Benzenebutanoic acid, 4-chloro-β-[[(2,5-dimethoxyphenyl)amino]carbonyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2008:979133 CAPLUS
DOCUMENT NUMBER: 149:259472
TITLE: Enhancement of innate resistance to infection
INVENTOR(S): Jutila, Mark A.; Lubick, Kirk J.
PATENT ASSIGNEE(S): Montana State University, USA
SOURCE: PCT Int. Appl., 47pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008098172	A1	20080814	WO 2008-US53424	20080208

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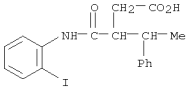
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.: US 2007-900326P P 20070209

OTHER SOURCE(S): MARPAT 149:259472
AB The present invention provides compds. and compns. that enhance the innate
immune system. The present invention comprises methods of preventing, treating or ameliorating an infectious disease comprising administering said compds. to a subject. The invention also comprises methods of formulation and administration of said compds. Treatment of ovine alveolar macrophages with GABA receptor antagonist securinine induced alveolar macrophage killing of Q-fever Coxiella burnetii (>80%).
IT 314027-72-0, ST 008377
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(macrophage activating compds. for treatment of microbial infections)
RN 314027-72-0 CAPLUS
CN Benzenebutanoic acid, β-[[(2-iodophenyl)amino]carbonyl]-γ-methyl- (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 2004:1079730 CAPLUS
DOCUMENT NUMBER: 142:62692
TITLE: Small molecule compounds as protein kinase regulators,
activators and inhibitors
INVENTOR(S): Biondi, Ricardo; Engel, Matthias
PATENT ASSIGNEE(S): Phosphosites GmbH, Germany
SOURCE: Eur. Pat. Appl., 32 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1486488	A1	20041215	EP 2003-90177	20030610
EP 1486488	B1	20091028		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
AT 446951	T	20091115	AT 2003-90177	20030610
WO 2004111008	A2	20041223	WO 2004-EP6260	20040610
WO 2004111008	A3	20050317		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20070032474	A1	20070208	US 2006-559971	20060727
PRIORITY APPLN. INFO.:			EP 2003-90177 A	20030610
			WO 2004-EP6260 W	20040610

OTHER SOURCE(S): MARPAT 142:62692
AB The invention relates to a compound Ar1XC(O)Z(R2)CH(R1)YAr2 (I; Ar1, Ar2 =
Ph, naphthyl, heterocycle; X = valence bond, CH2, NH, O; Z = CH, N; Y = valence bond, CH2; R1 = H, Me; R2 = QCO2H, QCN, Q = valence bond, C1-3 alkylidene, wherein one or two non-adjacent methylene units of Q are replaced by O, S, NH), as a protein kinase regulator, activator and inhibitor, and a pharmaceutical composition containing I or its pharmaceutically
acceptable salts. The compds. are useful for the treatment of diseases associated with protein kinase, in particular AGC kinase, such as cancer and
type II diabetes.
IT 324532-83-4P 807331-52-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and compns. of small mol. compds. as protein kinase regulators,
activators and inhibitors for therapeutic uses)

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN (Continued)
RN 324532-83-4 CAPLUS
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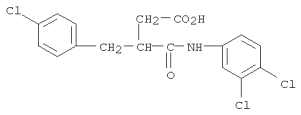
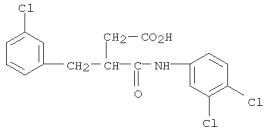
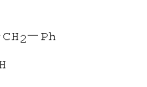


RN 807331-52-8 CAPLUS
CN Benzenebutanoic acid, 3-chloro-β-[[(3,4-dichlorophenyl)amino]carbonyl]- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD
(2 CITINGS)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1989:95829 CAPLUS
DOCUMENT NUMBER: 110:95829
ORIGINAL REFERENCE NO.: 110:15861a,15864a
TITLE: Model copolymerization reactions. Evidence against concerted complex addition in reactions of simple alkyl radicals with N-phenylmaleimide and donor olefins
AUTHOR(S): Prementine, Glenn S.; Jones, Sharon A.; Tirrell, David
A.
CORPORATE SOURCE: Dep. Chem., Carnegie-Mellon Univ., Pittsburgh, PA, 15213, USA
SOURCE: Macromolecules (1989), 22(2), 770-5
CODEN: MAMOBX; ISSN: 0024-9297
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Reductive demercuration was used to generate the 1-Bu and benzyl radicals in mixts. of N-phenylmaleimide (I) and either of the donor olefins styrene
or 2-chloroethyl vinyl ether. In each case, the major products of the reaction were derived from simple addition of the radical I followed by transfer of a H atom to the initial adduct. Careful mass balances on I showed that mechanisms other than simple addition did not constitute important pathways for monomer consumption. These results argue against mechanistic schemes for radical copolymn. in which 1:1 monomer complexes add in a concerted manner to growing macroradicals.
IT 117098-31-4P, 2,3-Dibenzylsuccinic acid monophenylamide
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)
RN 117098-31-4 CAPLUS
CN Benzenebutanoic acid, β-[(phenylamino)carbonyl]-α-(phenylmethyl)- (CA INDEX NAME)



OS.CITING REF COUNT: 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)

L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2011 ACS on STN
ACCESSION NUMBER: 1964:94152 CAPLUS
DOCUMENT NUMBER: 60:94152
ORIGINAL REFERENCE NO.: 60:5390a-f
TITLE: Disubstituted succinic acids and their derivatives. II
AUTHOR(S): Joshi, K.; Bawdekar, A. S.; Ghate, R. V.; Bhide, B. V.
CORPORATE SOURCE: Sir Parashurambhau Coll., Poona, India
SOURCE: Journal of the University of Bombay, Science: Physical Sciences, Mathematics, Biological Sciences and Medicine (1962), Volume Date 1961-1962, 30(50-51),
5-9
CODEN: JUBSAS; ISSN: 0368-4644
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. CA 52, 10947c. Di-Et phenylmalonate (39 g.) was added in small portions to 3.7 g. powdered Na in 75 ml. dry xylene. After reaction was complete, 50 g. Et α-bromolaurate was added, and the mixture heated until neutral. After workup, 15 g. tri-Et ester was obtained, which was treated with 50 ml. 50% alc. KOH. After removal of the alc. by distillation,
the residue was diluted with H2O and extracted with ether. Acidification of the
aqueous solution, followed by boiling with HCl gave in low yield α-decyl-α-phenylsuccinic acid, m. 156-7° (petr. ether, b. 60-80°) (monoamide m. 164°). Similarly prepared were: α-isopropyl-α'-benzylsuccinic acid, m. 142° (monoanilide m. 145°; mono-p-chloroanilide m. 150°; mono-p-methoxyanilide m. 147°; dianilide m. 115°; di-Et ester b40 210°; hydrazide m. 150°), from tri-Et α-isopropyl-α'-benzyl-α'-carboxysuccinate, b45 240-60°; α-decyl-α'-benzylsuccinic acid (I), m. 104-6° (monoanilide m. 153°; mono-p-chloroanilide m. 165°; mono-p-methoxyanilide m. 137°; dianilide m. 67-8°; monoamide m. 126°; di-Et ester b23 265-70°; hydrazide m. 172°), from tri-Et α-decyl-α'-benzyl-α'-carboxysuccinate, b25 284-94°; α-isopropyl-α'-(β-phenylethyl)succinic acid, m. 178° (monoamide m. 168-9°); α-decyl-α'-(β-phenylethyl)succinic acid (II), m. 114-15° (monoanilide m. 147°; mono-p-chloroanilide m. 158-9°; mono-p-methoxyanilide m. 161-2°; mono-p-nitroanilide m. 125-6°; anilide m. 53-4°; di-Et ester b2 215-20°).
A mixture of 1 g. II and 15 ml. concentrated HNO3 (d. 1.4) was heated 5 min. at
100°, the solution poured on ice, and the solid filtered off and washed-with H2O to give α-decyl-α'-(p-nitrophenylethyl)succinic acid, m. 130-1° (C6H6) (mono-p-chloroanilide m. 142-3°).
α-Decyl-α'-aminosuccinic acid, m. 227° (decomposition), was prepared in low yield by condensation of di-Et acetamidomalonate with Et α-bromolaurate. The following derivs. of phenylsuccinic acid (III) were prepared: monoanilide, m. 170-1°; mono-p-chloroanilide, m. 163°; mono-p-methoxyanilide, m. 154°; mono-p-nitroanilide, m. 190-1°; monoamide, m. 145°; hydrazide, m. 174-5°.
The following derivs. of α-methyl-α'-phenylsuccinic acid (IV) were prepared: monoanilide, m. 164°; mono-p-chloroanilide, m. 158°; mono-p-methoxyanilide, m. 180-1°; mono-p-nitroanilide,

m. 173-4°; anilide, m. 133-4°; di-Et ester, b50 192-5°; hydrazide, m. 161°. The following derivs. of furylsuccinic acid (V) were prepd.: monoanilide, m. 174°; mono-p-chloroanilide, m. 198°; mono-p-methoxyanilide, m. 164°. The following derivs. of α-methyl-α'-benzylsuccinic acid (VI) were prepd.: monoanilide, m. 175°; mono-p-chloroanilide, m. 200°; mono-p-methoxyanilide, m. 189°; mono-p-nitroanilide, m. 173-4°; dianilide, m. 108-9°; hydrazide, m. 177-8°; monoamide, m. 94°. Redn. (LiAlH4) of the acids I-VI gave, resp., 4-phenyl-3-hydroxymethyl-2-decylbutanol, b11 250°; 5-phenyl-3-hydroxymethyl-2-decylpentanol. b1.5 231-5°; 3-phenyl-3-hydroxymethylpropanol, b5 165-70° (phenylurethan m. 111-12°); 4-hydroxy-3-phenyl-2-methylbutanol, b1.5 155° [bis(p-nitrobenzoate) m. 115-16°]; 3-furyl-3-hydroxymethylpropanol, b1.5 147-9°; 4-phenyl-3-hydroxymelhyl-2-methylbutanol, b17 210°. Also prepd. were α-isopropyl-α'-phenylsuccinimide, m. 185-6°; di-Et α-methyl-α'-benzyl-α'-cyanosuccinate, b30 225°; di-Et α-decyl-α'-benzyl-α'-cyanosuccinate, b0.5 228°. Some derivs. (unspecified) possessed tuberculostatic activity.

IT 93880-22-9P, Succinanilic acid, 3-benzyl-2-methyl-4'-nitro-(?) 94165-19-2P, Succinanilic acid, 3-benzyl-2-methyl-(?) 94544-35-1P, Succinanilic acid, 3-benzyl-4'-chloro-2-isopropyl-(?) 94577-14-7P, Succinanilic acid, 3-benzyl-2-isopropyl-(?) 95157-51-0P, Succinanilic acid, 3-benzyl-4'-chloro-2-methyl-(?) 95317-82-1P, Succinanilic acid, 3-benzyl-4'-methoxy-2-methyl-(?) 96177-19-4P, Succinanilic acid, 3-benzyl-2-decyl-(?) 96931-38-3P, Succinanilic acid, 3-benzyl-2-decyl-4'-methoxy-(?) 96966-56-2P, Succinanilic acid, 3-benzyl-2-isopropyl-4'-methoxy-(?) 97354-24-0P, Succinanilic acid, 3-benzyl-4'-chloro-2-decyl-(?)
RL: PREP (Preparation)
(preparation of)

RN 93880-22-9 CAPLUS
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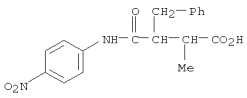

RN 94165-19-2 CAPLUS
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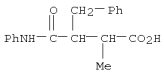

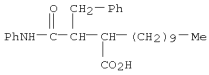

RN 96931-38-3 CAPLUS
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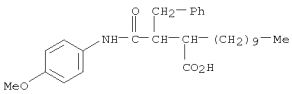
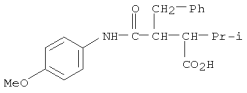
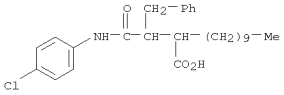


RN 96966-56-2 CAPLUS
CN Benzenebutanoic acid, β-[[(4-methoxyphenyl)amino]carbonyl]-α-(1-methylethyl)- (CA INDEX NAME)



RN 97354-24-0 CAPLUS
CN Benzenebutanoic acid, β-[[(4-chlorophenyl)amino]carbonyl]-α-decyl- (CA INDEX NAME)



RN 94544-35-1 CAPLUS
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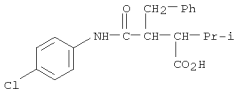

RN 94577-14-7 CAPLUS
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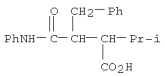

RN 95157-51-0 CAPLUS
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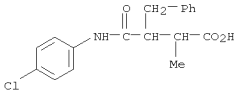

RN 95317-82-1 CAPLUS
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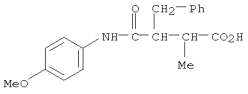

RN 96177-19-4 CAPLUS
CN Benzenebutanoic acid, α-decyl-β-[(phenylamino)carbonyl]- (CA INDEX NAME)

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=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      54.16     251.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -7.83      -7.83

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